FCC

VERIFICATION OF COMPLIANCE

This Verification of Compliance is hereby issued to the below named company. The test results of this report relate only to the tested sample identified in this report.

Technical Standard:	**FCC Part 15 Class A**
	IC ICES-003 Issue 5

General Information

Applicant:	ICP DAS CO., LTD.
	No. 111, Guangfu N. Rd., Hukou Township, Hsinchu County 30351, Taiwan, R.O.C.

Product Description

EUT Description:	ICP DAS I/O System
Model Number:	VP-4136 System
Data Applies To:	Please refer to section 2
Trade Name:	ICP DAS

Laboratory Name:	*Compliance Certification Services Inc. (Hsin-Chu Lab).*
	NO. 989-1 Wen Shan Rd., Shang Shan Village,
	Qionglin Shiang Hsinchu County 30741, Taiwan, R.O.C
	Tel: +886-3-5921698 / Fax: +886-3-5921108

This device has been shown to be in compliance with and was tested in accordance with the measurement procedures specified in the Standards & Specifications listed above and as indicated in the measurement report number: T141211S03-D

Rex Liao / Deputy Manager

Date: December 27, 2014

程智科技股份有限公司
Compliance Certification Services Inc.

Compliance Certification Services Inc.

FCC 47 CFR PART 15 SUBPART B AND ANSI C63.4:2009
IC ICES-003 Issue 5
TEST REPORT

For

ICP DAS I/O System

Model : VP-4136 System

Data Applies To : Please refer to section 2

Trade Name : ICP DAS

Issued for

ICP DAS CO., LTD.

No. 111, Guangfu N. Rd., Hukou Township, Hsinchu County 30351, Taiwan, R.O.C.

Issued by

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Hsinchu Lab.
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Issued Date: December 27, 2014

1. TEST REPORT CERTIFICATION

Applicant	ICP DAS CO., LTD.
Address	No. 111, Guangfu N. Rd., Hukou Township, Hsinchu County 30351, Taiwan, R.O.C.
Equipment Under Test	ICP DAS I/O System
Model	VP-4136 System
Data Applies To	Please refer to section 2
Trade Name	ICP DAS
Tested Date	December 11 ~ 17, 2014

APPLICABLE STANDARD		
Standard	**Item**	**Test Result**
FCC Part 15 Subpart B, CLASS A AND	Radiated Emission	PASS
ANSI C63.4:2009 IC ICES-003 Issue 5	Conducted Emission	PASS

WE HEREBY CERTIFY THAT: The above equipment has been tested by Compliance Certification Services Inc., and found compliance with the requirements set forth in the technical standards mentioned above. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Approved by: *Reviewed by:*

Rex Liao   Jacky Chen
Deputy Manager   Section Manager

2. EUT DESCRIPTION

Product Name	ICP DAS I/O System
Model Number	VP-4136 System
Data Applies To	Please refer to section 2
Identify Number	T141211S03
Received Date	December 11, 2014
Power Rating	100-230Vac, 50-60Hz
Test Voltage	120Vac/60Hz
AC Power Cable Type	Non-shielded cable 1.4m × 1 (Non-detachable)
Signal Cable	Non-shielded RJ-45 cable 0.4m × 1 (Non-detachable), with a ferrite core

I/O Port Description :

I/O Port Types	Q'TY	Test Descrition
1) LAN Port	1	Connected to PC
2) LAN Port	1	Connected to EUT
3) AC Power Port	1	Connected to AC input
4) DC Power Port	1	Connected to EUT

The difference of the series model :

Item	Model Number	Software	Divsity	Mode 1
1	XP-8041	Windows CE 6.0	Standard XP-8000 with 0 I/O slot	V
2	XP-8041-EN	Windows CE 6.0	Standard XP-8000 with 0 I/O slot (English version of OS)	
3	XP-8341-EN	Windows CE 6.0	Standard XP-8000 with 3 I/O slots (English version of OS)	
4	XP-8741-EN	Windows CE 6.0	Standard XP-8000 with 7 I/O slots (English version of OS)	
5	XP-8041-TC	Windows CE 6.0	Standard XP-8000 with 0 I/O slot (Traditional Chinese version of OS)	
6	XP-8341-TC	Windows CE 6.0	Standard XP-8000 with 3 I/O slots (Traditional Chinese version of OS)	
7	XP-8741-TC	Windows CE 6.0	Standard XP-8000 with 7 I/O slots (Traditional Chinese version of OS)	
8	XP-8041-CE6	Windows CE 6.0	Standard XP-8000-CE6 with 0 I/O slot	
9	XP-8341-CE6	Windows CE 6.0	Standard XP-8000-CE6 with 3 I/O slot	
10	XP-8741-CE6	Windows CE 6.0	Standard XP-8000-CE6 with 7 I/O slot	

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Item	Model Number	Software	Divsity	Mode 1
11	XP-8041-CE6-PRO	Windows CE 6.0	Standard XP-8000-CE6-PRO with 0 I/O slot	
12	XP-8341-CE6-PRO	Windows CE 6.0	Standard XP-8000-CE6-PRO with 3 I/O slot	
13	XP-8741-CE6-PRO	Windows CE 6.0	Standard XP-8000-CE6-PRO with 7 I/O slot	
14	XP-8141-Atom-CE6	Windows CE 6.0	1 I/O slot WinCE 6.0 Based Standard XPAC (OS: Multi-Language version)	
15	XP-8341-Atom-CE6	Windows CE 6.0	3 I/O slot WinCE 6.0 Based Standard XPAC (OS: Multi-Language version)	
16	XP-8741-Atom-CE6	Windows CE 6.0	7 I/O slot WinCE 6.0 Based Standard XPAC (OS: Multi-Language version)	
17	XP-8146-Atom-CE6	Windows CE 6.0	1 slots Ethernet WinCE 6.0 Based ISaGRAF XPAC-Atom	
18	XP-8346-Atom-CE6	Windows CE 6.0	3 slots Ethernet WinCE 6.0 Based Indusoft + ISaGRAF XPAC-Atom	
19	XP-8746-Atom-CE6	Windows CE 6.0	7 slots Ethernet WinCE 6.0 Based Indusoft + ISaGRAF XPAC-Atom	
20	XP-8147-Atom-CE6	Windows CE 6.0	1 slots Ethernet WinCE 6.0 Based Indusoft + ISaGRAF XPAC-Atom	
21	XP-8347-Atom-CE6	Windows CE 6.0	3 slots Ethernet WinCE 6.0 Based ISaGRAF XPAC-Atom	
22	XP-8747-Atom-CE6	Windows CE 6.0	7 slots Ethernet WinCE 6.0 Based ISaGRAF XPAC-Atom	V
23	XP-8149-Atom-CE6	Windows CE 6.0	XP-8000-CE6 Programmable Automation Controller with InduSoft inside	
24	XP-8349-Atom-CE6	Windows CE 6.0	XP-8000-CE6 Programmable Automation Controller with InduSoft inside	
25	XP-8749-Atom-CE6	Windows CE 6.0	XP-8000-CE6 Programmable Automation Controller with InduSoft inside	
26	I-87123-X	---	One port intelligent CANopen master interface module. (X The Cover is mean any color)	
27	I-87123	---	One port intelligent CANopen master interface module.	V
28	I-87022W-X	---	2-channel 12-bit Analog Output Module with Channel-to-Channel Isolation (X The Cover is mean any color)	
29	I-87022W	---	2-channel 12-bit Analog Output Module with Channel-to-Channel Isolation	
30	I-87061W-X	---	16-channel Power Relay Output Module (4 groups, Each group provides 4-channels that share a single COM point) (X The Cover is mean any color)	V
31	I-87061PW	---	16-channel Power Relay Output Module (4 groups, Each group provides 4-channels that share a single COM point)	V
32	I-87022-X	---	2-channel 12-bit analog output module (X The Cover is mean any color)	
33	I-87022	---	2-channel 12-bit analog output module	V
34	I-87017ZW-X	---	10/20-channel Analog Input Module with High Voltage Protection (X The Cover is mean any color)	
35	I-87017ZW	---	10/20-channel Analog Input Module with High Voltage Protection	V

Item	Model Number	Software	Divsity	Mode 1
36	I-87084W-X	---	4-/8-channel Counter/Frequency/Encoder Module (X The Cover is mean any color)	
37	I-87084W	---	4-/8-channel Counter/Frequency/Encoder Module	V
38	I-87082-X	---	2-channel Counter/Frequency Module (X The Cover is mean any color)	
39	I-87082	---	2-channel Counter/Frequency Module	V
40	MSM-508	---	8-port Layer 2 Managed Switch with metal casing	
41	MSM-508FC-5T	---	8-port Layer 2 Managed Switch with 2-Fiber Port, Multi-mode 5km, SC Connector	
42	MSM-508FC-T	---	8-port Layer 2 Managed Switch with 2-Fiber Port, Multi-mode, SC Connector	
43	MSM-508FCS-60T	---	8-port Layer 2 Managed Switch with 2-Fiber Port, Single-mode 60 km, SC Connector	V
44	MSM-508FCS-T	---	8-port Layer 2 Managed Switch with 2-Fiber Port, Single-mode, SC Connector	
45	MSM-508FT-T	---	8-port Layer 2 Managed Switch with 2-Fiber Port, Multi-mode, ST Connector	
46	LC-103	---	1-channel AC Digital Input and 3-channel Relay Output Lighting Control Module	V
47	LC-103-C	---	1-channel AC Digital Input and 3-channel Relay Output Lighting Control Module	
48	IR-310-RM	---	IR Controlled 10-channel High Power Relay Module	V
49	iVIEW-100-40	---	Handheld Controller with 512k flash ,512k SRAM, CPU is 40MHz	
50	iVIEW-100E	---	Handheld Controller with 512k flash ,512k SRAM,CPU is 40MHz Ethernet port: 10/100M	V
51	iVIEW-100/512	---	Handheld Controller with 512k flash ,512k SRAM, CPU is 40MHz	
52	iVIEW-100-ISaGRAF	---	ISaGRAF Handheld Controller with 512k flash ,512k SRAM,CPU is 40MHz	
53	iVIEW-100E-ISaGRAF	---	ISaGRAF Handheld Controller with 512k flash ,512k SRAM,CPU is 40MHz Ethernet port: 10/100M	
54	S256	---	256 K battery backup SRAM Module	
55	S512	---	512 K battery backup SRAM Module	V
56	ET-M8194H	---	Ethernet Remote Unit with High-speed 4-axis Motion Control Module	
57	RS-M8194H	---	Serial Communication Remote Automation Unit with High-speed 4-axis Motion Control Module	
58	I-8094H	---	High-speed 4-axis Motion Control Module with FRnet Master and Internal CPU	V
59	VP-4136	Windows CE.NET 5.0	InduSoft and ISaGRAF based ViewPAC with 10.4 LCD	
60	VP-4136-EN	Windows CE.NET 5.0	InduSoft and ISaGRAF based ViewPAC with 10.4 LCD (English Version of OS)	
61	VP-4136-TC	Windows CE.NET 5.0	InduSoft and ISaGRAF based ViewPAC with 10.4 LCD (Traditional Chinese Version of OS)	

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Item	Model Number	Software	Divsity	Mode 1
62	VP-4136-SC	Windows CE.NET 5.0	InduSoft and ISaGRAF based ViewPAC with 10.4 LCD (Simplified Chinese Version of OS)	
63	VP-4131	Windows CE.NET 5.0	Standard ViewPAC with 10.4 LCD and 3 I/O slots	V
64	VP-4131-EN	Windows CE.NET 5.0	Standard ViewPAC with 10.4 LCD and 3 I/O slots (Multilanguage Version of OS)	
65	VP-4131-TC	Windows CE.NET 5.0	Standard ViewPAC with 10.4 LCD and 3 I/O slots (Traditional Chinese of OS)	
66	VP-4131-SC	Windows CE.NET 5.0	Standard ViewPAC with 10.4 LCD and 3 I/O slots (Simplifi ed Chinese of OS)	
67	VP-4137	Windows CE 5.0	ISaGRAF based ViewPAC with 10.4" Touch LCD and 3 I/O slots	
68	VP-4137-EN	Windows CE 5.0	ISaGRAF based ViewPAC with 10.4" Touch LCD and 3 I/O slots (OS: Multilanguage)	
69	VP-4137-TC	Windows CE 5.0	ISaGRAF based ViewPAC with 10.4" Touch LCD and 3 I/O slots (OS: Traditional Chinese)	
70	VP-4137-SC	Windows CE 5.0	ISaGRAF based ViewPAC with 10.4" Touch LCD and 3 I/O slots (OS: Simplified Chinese)	
71	SG-3013	---	Isolated RTD Input Module	V
72	ZT-2055	---	Wireless 8-channel Isolated Digital Input and 8-channel Isolated Digital Output Module	V
73	ZT-2055-IOP	---	ZigBee Pair-connection to the 8-channel Isolated Digital Input and 8-channel Digital Output Module	
74	ZT-USBC	---	USB to ZigBee Converter (Host, ZigBee Coordinator)	
75	ZT-USBR	---	USB to ZigBee Converter (Slave, ZigBee Router)	
76	WISE-4000	MiniOS7	3-channel DI, 3-channel DO, and 8-channel AI WISE Controller with SMS Module	
77	WISE-4000D	MiniOS7	3-channel DI, 3-channel DO, and 8-channel AI WISE Controller with SMS Module and LCD Display	V
78	G-4500-2G	MiniOS7	Quad-band M2M Mini-Programmable Automation Controller	
79	G-4500D-2G	MiniOS7	Quad-band M2M Mini-Programmable Automation Controller with LCD display	
80	G-4500P-2G	MiniOS7	Quad-band M2M Mini-Programmable Automation Controller with GPS function	
81	G-4500PD-2G	MiniOS7	Quad-band M2M Mini-Programmable Automation Controller with LCD display and GPS function	V
82	GD-4500-2G	MiniOS7	Quad-band M2M Mini-Programmable Automation Controller	
83	GD-4500D-2G	MiniOS7	Quad-band M2M Mini-Programmable Automation Controller with LCD display	
84	GD-4500P-2G	MiniOS7	Quad-band M2M Mini-Programmable Automation Controller with GPS function	
85	GD-4500PD-2G	MiniOS7	Quad-band M2M Mini-Programmable Automation Controller with LCD display and GPS function	

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Item	Model Number	Software	Divsity	Mode 1
86	SST-2450	---	2450MHz wireless modem , Output Power: 0.05W Communication distance: depend on external antenna	V
87	SST-2451	---	Wireless Modem Module	V
88	WP-5231	---	PAC with WinCE 7.0 and one LAN port	V
89	WP-5238	---	PAC with Win-GRAF based and one LAN port	
90	LP-5231	---	PAC with Linux and one LAN port	
91	WISE-5200	---	The Intelligent Web-based I/O Controller with IF-THEN-ELSE rule engine	
92	UA-5231	---	PAC with OPC UA Server and one LAN port	
93	I-2541	---	RS-232/422/485 to Mulit-Mode 2 Km, ST Fiber optic converter	V
94	M-7024U	---	4-channel Analog Output,4-channel Digital Input and 4-channel Digital Output Module using the DCON and Modbus Protocols	V
95	M-7024UD	---	M-7024U with LED Display	
96	I-7188/512	---	Embedded controller includes 512K flash, MiniOS7, download utility, download cable and manual.	
97	I-7188D/512	---	Embedded controller includes 512K flash, 5 digits seven segment display, MiniOS7, 5 digits seven segment display, download utility, download cable and manual.	V
98	I-7188D/512-X	---	Embedded controller includes 512K flash, 5 digits seven segment display, MiniOS7, 5 digits seven segment display, download utility, download cable and manual (X The Cover is mean any color)	
99	I-7188D/DOS/512	---	Embedded controller includes 512K flash, 5 digits seven segment display, ROM-DOS, 5 digits seven segment display, download utility, download cable and manual	
100	I-7188D/DOS/512-X	---	Embedded controller includes 512K flash, 5 digits seven segment display, ROM-DOS, 5 digits seven segment display, download utility, download cable and manual (X The Cover is mean any color)	
101	I-7188/DOS/512	---	Embedded controller includes 512K flash, ROM-DOS, download utility, download cable and manual.	
102	I-7188E2	---	Internet communication controller with one RS-232, one RS-485 and one Ethernet	
103	I-7188E2D	---	I-7188E2 with LED display	
104	I-7188E2-MTCP	---	I-7188E2 with default Modbus/TCP firmware	
105	I-7188E2D-MTCP	---	I-7188E2-MTCP with LED display	V
106	I-7188EG	---	ISaGRAF based μ PAC with 10M Ethernet	
107	I-7188EGD	---	I-7188EG with display	
108	I-7188EG-X	---	ISaGRAF based μ PAC with 10M Ethernet (X The Cover is mean any color)	
109	I-7188EGD-X	---	I-7188EG with display (X The Cover is mean any color)	
110	I-8053W-X	---	16-channel Isolated Digital Input Module (X The Cover is mean any color)	

Item	Model Number	Software	Divsity	Mode 1
111	I-8053W	---	16-channel Isolated Digital Input Module	V
112	I-8053W-A1-X	---	16-channel Isolated Digital Input Module (X　The Cover is mean any color)	
113	I-8053W-A1	---	16-channel Isolated Digital Input Module	
114	I-8053W-A2-X	---	16-channel Isolated Digital Input Module (X　The Cover is mean any color)	
115	I-8053W-A2	---	16-channel Isolated Digital Input Module	

Remark :　1. *For more details, please refer to the User's manual of the EUT.*
　　　　　2. *The model VP-4136 System was considered the main model for testing.*

3. DESCRIPTION OF TEST MODES

1. The following test modes were scanned during the preliminary test:

No.	Pre-Test Mode
1	Normal Operating

2. After the preliminary scan, the following test mode was found to produce the highest emission level.

Final Test Mode		
Emission	Radiated Emission	Normal Operating
	Conducted Emission	Normal Operating

Remark : *Then, the above highest emission mode of the configuration of the EUT and cable was chosen for all final test items.*

4. TEST METHODOLOGY

The tests documented in this report were performed in accordance with ANSI C63.4:2009 and FCC CFR 47 Part 15 Subpart B, IC ICES-003 Issue 5.

Compliance Certification Services Inc.

6. SETUP OF EQUIPMENT UNDER TEST

SUPPORT EQUIPMENT

No.	Product	Manufacturer	Model No.	Serial No.
1	PC	ICP DAS	---	---
2	Mouse	HP	M-UAE96	265986-011
3	Keyboard	HP	KU-0316	382926-AB1
4	LCD Monitor	DELL	2407WFPb	CN-0FC255-46633-6 CP-06JS

PC Keypart Information				
Main		Software	Diversity	Mode 1
1-1	PCI-P16C16		16-channel isolated digital input.16-channel open-collector output (Sink, NPN). Includes one CA-4037W cable and two CA-4002 D-Sub connectors.	V
1-2	PCI-1800HU		Universal PCI, 16-ch, 12-bit, 44 kS/s High Gain Multi-function DAQ Board (1 K word FIFO) Includes one CA-4002 D-Sub connector.	V
1-3	PCI-1800HU/S		PCI-1800HU CR with DB-8225 daughter board, Cable Includes one CA-3710 D-Sub cable.	
1-4	PCI-1800LU		Universal PCI, 16-ch, 12-bit, 330 kS/s Low Gain Multi-function DAQ Board (1 K word FIFO) Includes one CA-4002 D-Sub connector.	
1-5	PCI-1800LU/S		PCI-1800LU CR with DB-8225 daughter board, Cable Includes one CA-3710 D-Sub cable.	
1-6	PCI-D64HU		40 MB/s High-speed 32-CH DI and 32-CH DO Universal PCI DIO Card (RoHS) One CA-4037W cable and two CA-4002 D-Sub connectors includes.	V
1-7	ISO-AD32H		32-channel/ 12-bit/ High Gain/ Bus Isolated Analog Input Board Includes one CA-4002 D-Sub connector.	
1-8	ISO-AD32H/S		ISO-AD32H + DN-37 Includes one CA-3710 D-Sub cable.	
1-9	ISO-AD32L		32-channel/ 12-bit/ Low Gain/ Bus Isolated Analog Input Board Includes one CA-4002 D-Sub connector.	V
1-10	ISO-AD32L/S		ISO-AD32L + DN-37 Includes one CA-3710 D-Sub cable.	
1-11	ISO-DA16		16-channel Bus Isolated analog Output Board (RoHS) Includes one CA-4002 D-Sub connector.	V
1-12	ISO-DA16/S		ISO-DA16 + DN-37 (RoHS) Includes one CA-3710 D-Sub cable.	
1-13	ISO-DA8		8-channel Bus Isolated analog Output Board (RoHS) Includes one CA-4002 D-Sub connector.	
1-14	ISO-DA8/S		ISO-DA8 + DN-37 (RoHS) Includes one CA-3710 D-Sub cable.	

Support Unit				
Product	**Manufacturer**	**Model Number**	**Serial Number**	**Power Cord**
1 Industrial Power Supply	ICP DAS	DP-1200	N/A	Non-Shieded,1.7m With one core

SETUP DIAGRAM FOR TESTS

EUT & peripherals setup diagram is shown in appendix setup photos.

EUT OPERATING CONDITION

All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

1. EUT & peripherals setup diagram is shown in appendix setup photos.
2. Turn on the power of all equipments.
3. EUT RJ-45 cable link to PC.
4. PC ping 192.168.255.1.
5. All of the functions are under run.
6. Start test.